KRISHNA S

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GitHub ◇ Mail ◇ LinkedIn ◇ Portfolio

"Give the time until it looks good. Even the toughest moments carry seeds of hope"

SUMMARY

Motivated and adaptable computer science professional with a strong technical foundation and a passion for problem solving. Currently enhancing skills through a data science course, with a focus on applying data-driven insights and cloud technologies to drive impactful solutions. Known for leveraging creativity and analytical thinking to tackle challenges, and eager to contribute to cloud-based projects and scalable solutions. Committed to continuous learning, innovation, and delivering results in dynamic, fast-paced environments.

EDUCATION

Data Science & AI(Certification)
Keltron Knowledge Centre

Bachelor of Technology, Computer Science 2020-2024
APJ Abdul Kalam Technological University

Higher secondary 2019-2020
Bishop Hodges Higher Secondary School, Mavelikkara

SKILLS

Programming Language	Python, HTML5, CSS, R, C
Data Analysis & Visualization Tools	Excel, Tableau
Data Science & AI Tools	Scikit-learn, NumPy, pandas, NLTK, matplotlib, TensorFlow, Keras
Database Management	MySQL
IDE	RStudio, Visual Studio Code
Soft Skills	Leadership, Proficiency in article writing, Adaptability

PROJECTS And PAPERS

Tech Service Providing Site:

- Developed a platform using React.js, HTML, CSS, and JavaScript integrated with an SQL database.
- Provided users with hardware/software support, troubleshooting resources, and tutorials for an efficient user experience.

Farey Food ordering site:

- Built a mobile app with Flutter, MongoDB, and Node.js.
- Used authorized web scraping to aggregate and compare food delivery offers from multiple platforms, providing users with the best deals.

Farey-The Genie:

- Published a paper on Farey, an app using Flutter, Node.js, and MongoDB for real-time food delivery offer aggregation.
- Provided a user-friendly interface for users to compare deals and make informed decisions. (DOI: 10.15680/IJIRCCE.2024.1205234)

AI Resume Analyzer

- Developed an AI-powered resume analyser using Python and Streamlit to compare job descriptions with resumes and provide actionable recommendations for alignment and improvement.
- Utilized natural language processing (NLP) techniques to extract and analyse key skills, experiences, and qualifications.
- Designed a user-friendly interface to enhance accessibility, helping users optimize their resumes for better job application success

End-To-End UPI Fraud Detection Model (ML)

- Designed and implemented an end-to-end UPI fraud detection system to identify and prevent suspicious transactions in real-time.
- Utilized machine learning algorithms to analyse transaction patterns, flag anomalies, and reduce false positives effectively.

Wildfire Prediction System

- Developed an advanced wildfire prediction model leveraging ensemble learning techniques such as Random Forest and Gradient Boosting to classify wildfire risks based on weather patterns, vegetation, and geographic data. Integrated geospatial analysis and time-series modelling to enhance predictive accuracy and support proactive disaster management.
- This system aids authorities in mitigating wildfire damage by providing real-time predictions and actionable insights.

AI for Predicting Stock Market Trends

- Developed an AI-driven system that utilizes machine learning algorithms such as Random Forests, LSTMs, and Reinforcement Learning to predict stock market trends and make investment decisions.
- The model analyses historical price data, technical indicators, and market sentiment from news sources to forecast short-term and long-term market movements. Integrated a user-friendly interface to visualize predictions, risk levels, and suggested trading actions, helping investors make informed decisions based on AI insights.

Sentiment Analysis Using Deep Learning

- Developed a sentiment analysis system using deep learning techniques like LSTMs and BERT to classify text data (e.g., reviews, social media posts) into positive, negative, or neutral sentiments.
- The model processes and analyses large text datasets to provide accurate sentiment predictions, enhancing customer insights and feedback analysis.

CO-CURRICULAR ACTIVITIES

- Active reader, loves reading novels and an active article writer
- Actively participated in NSS volunteer services

LEADERSHIP

- Served as Student Union Leader for four years, demonstrating strong leadership, effective communication, and the ability to organize and lead initiatives that fostered student engagement and collaboration.
- Managed multiple projects, worked closely with diverse teams, and represented student interests with a focus on problem-solving and community building.